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GenCore version 5.1.6
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OK nucleic - nucleic search, using sw model

Run on: July 10, 2003, 06:16:29 ; Search time 3098 Seconds

10705.590 Million cell updates/sec

Title: US-09-901-910-1
perfect score: 116
sequence: 1 atggatcccccataccatcg ttcacaattttaggactaa 1146

scoring table: INFINITY_NUC
gapOp 10.0 , gapExt 1.0

Searched: 2054640 seqs, 1451402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

database : GenBank*

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2: gba_tng.*

3: gba_in.*

4: gba_on.*

5: gba_ox.*

6: gba_cat.*

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8: gba_ll1.*

9: gba_pr1.*

10: gba_lo1.*

11: gba_sts.*

12: gba_sy.*

13: gba_un.*

14: gba_v1.*

15: em_ba.*

16: em_fun.*

17: em_hun.*

18: em_ln.*

19: em_mu.*

20: em_on.*

21: em_or.*

22: em_ov.*

23: em_pai.*

24: em_phn.*

25: em_pi.*

26: em_ro.*

27: em_sts.*

28: em_un.*

29: em_v1.*

30: em_htg_hum.*

31: em_htg_inv.*

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34: em_htg_pbn.*

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36: em_htg_rmn.*

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38: em_sy.*

39: em_htco_hum.*

40: em_htco_mus.*

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4	114	100.0	1295	BC01171
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6	114	100.0	1216	NS02115
7	114	100.0	1216	NS02115
8	114	100.0	2025	NS02115
9	114	100.0	2041	NS02115
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11	114	99.9	1918	BC01171
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17	111	99.6	1887	AF01185
18	105	99.6	128	AF03811
19	907	99.2	1220	AF003114
20	89	99.0	1860	AK01602
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22	89	98.0	1860	AK01580
23	88	97.5	1871	AB01577
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LOCUS	CONA	encoding human macrophage-maturing and differentiating factor		
DEFINITION				
ACCESSION	E13814			
VERSION	E13814.1			
KEYWORDS	GI:3252582			
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HOMO sapiens				
ORGANISM				
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Mammalia; Metazoa; Chordata; Craniata; Vertebrates; Euteleostomi;				
Bentharia; Eutheria; Primates; Catarrhini; Hominoidea; Homo;				
Ooi,K., Setsu,T., Sakai,H., Shimizu,N. and Hagiyama,M., Nagasawa,T., Sakai,H., Shimizu,N. and Hagiyama,M.,				
REFERENCE				
AUTHORS				
Pred. No. is the number of results predicted by chance to have a				

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

JOURNAL
Submitted (06-JUN-2001) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer

REMARK Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-1103, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
CONTACT: MGC help desk: mgc-support@mail.nih.gov
Email: cgabors@mgc.nci.nih.gov
Tissue Procurement: atrc@mgc.nci.nih.gov

FEATURES

GDNA LIBRARY PREPARATION: Rubin Laboratory DNA Sequencing by the IMAGE Consortium (LNU) (<http://www.systemsbiology.org/contact: amandaseyntmsbiology.org>)

Anup Madan, Rachel Dickow, Jessica Pehey, Stephanie Ford, Julia Greene, Mark Kettman and Anuradha Madan

Clone distribution: MOC clone distribution information can be found through the T-IMA-G E. Coli consortium LNU at: <http://image.lnl.gov>. Series: T-RAU Plate: 24 Row: f Column: 2 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA: g1: 2130526. Location/Qualifiers

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  218. -J363
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Qy	61	CTGACGCTTCGACCTCCGGCTCGCCGCGCTGCTTGTGTTGCTTGTGTTGCTTGTG	277	0	0;	0;
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Qy	121	CGGGACTGCTGGCTGGGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	180	0	0;	0;
Db	339	CGGGACTGCTGG	180	0	0;	0;
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Qy	241	GGCGCGCTTCGACCGTGTGAGGGAACTCGACCTCGACCTCGACCGTGTGAGG	300	0	0;	0;
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BASE COUNT	334	a 407 c 398 g 279 t
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Best Local Similarity	99.8%	Pred. No. 1_2e-234; Mismatches 0; Gaps 0;
Matches	1144; Conservative	Indels 0;
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Db	244 CGCGGATCTCGCGTGGCGACGCTGTGCTTGTGTTGCTTCACTTGACCGG 103	Qy 1141 GACTRA 1146
Qy	181 AACGAGACTGCGAGAACAGGACGCCCTGGCGACCCAGGAACTGCACTTC 240	Db 1264 GACTRA 1269
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Qy	241 GCGCCCGATCTCCACCGCTCTGCGCTGTGCTTGTGTTGCTTCACTTGACCGG 300	
Db	364 GCGCCCGATCTCCACCGCTCTGCGCTGTGCTTGTGTTGCTTCACTTGACCGG 423	
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		LOCUS 035239
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		ORGANISM Homo sapiens
		REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butherida; Primates; Cetacea; Homididae; Homo.
		AUTHORS Glentze, J., Hinmann, B., Pilarsky, C. and Thierauach, K.H.
		TITLE Human nucleic acid and protein sequences obtained from endothelial cells
		JOURNAL PCT/EP00/03714-A 56 14 SEP-2000;
		SCHERRING AG (DE); GLEINER, JENS (DE); HINMANN, BERND (DE); PILARSKY, CHRISTIAN (DE); THIERAUACH, KARL HEINZ (DE)
		FEATURES source
		1. Location/Qualifiers
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ORGANISM		
Query Match	99.7%	Score 1142.8; DB 6; Length 2270;
Best Local Similarity	99.8%	Pred. No. 1_2e-234; Mismatches 0; Gaps 0;
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Db		
Qy	1 ATGGACCTCCGCGATGCCCGACGGTGGAGTGGAGGAAACATGATGATCA 60	Db 1024 GTGGATGTTGAGTGGAGGAAATACCGCCCAAGACTGCGCTTCGCGAGCGC 1083
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On nucleic - nucleic search, using sw model

Run on: July 10, 2003, 06:16:29 : Search time 324 seconds

Title: US-09-901-910-1
Percent score: 116
Sequence: ttagatgcctccatcgccgg.....ttccaaatctaggactaa 1146

Scoring table: IDENTITY_NUC
GapOp 10.0 , GapExt 1.0

Searched: 2105239 seeds, 112599159 residues

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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%, Maximum Match 100%

Listing First 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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result

No. Score Query

Match Length

DB

ID

Description

RESULT

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ART#714

ART#7142

ART#7142 standard; cDNA; 1146 BP.

XX

AC

ART#7142;

XX

DT

05-MAR-1998 (first entry)

XX

FH

DE

FT

XX

Human monocyte mat

Human monocyte mat

Human encoding human

Human encoding human

Human Cyr61 protein

Human Cyr61 protein

Human shear stress

Human shear stress

Human osteoblast d

cDNA

DE

CDNA

DE

DN

DR

DN

DR

Page
3

The present invention relates to a method for stimulating angiogenesis in a mammal. The method comprises administering a polynucleotide encoding a derivative tissue growth factor-2 (cTGFR-2) or an active fragment or its derivative. The method is useful for stimulating and/or preventing revascularisation which is leg or arm. The invention is useful for limb inhibiting tumour growth, where angiogenesis is utilised for enhancing the repair of connective and support tissue, promoting the attachment, fixation and stabilisation of tissue implants and enhancing wound healing, hence is useful for treating cardiovascular and limb disease, e.g. atherosclerosis, reperfusion injury such as heart failure, amputation, ischaemia and is also used to differentiate proliferate and attract cells leading to regeneration of tissues which is utilised to repair, replace or protect tissue damaged by congenital deformities, trauma, burns, liver, etc), age disease (e.g. osteoporosis, periodontal disease, liver failure), surgery including cosmetic plastic surgery. The present sequence is human cTGFR-2 cDNA. cTGFR-2 gene is useful in gene therapy.

best local Similarity 100.0%; Pred. No. 6.3e-301; Matches 1146; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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9V
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721 AAGACCTGTGAACTGGTATCTCCACACGAGTTACCAAATGACAACCCGTGAGTGCCTT 780

CC number of human shear stress response proteins. These are useful in the diagnosis, treatment and screening of vascular diseases caused by arteriosclerosis, including heart failure, post-pvca, restenosis and hypertension.

XX Sequence 2016 BP; 490 A; 525 C; 534 G; 467 T; 0 other;

Query Match 100.0%; Score 116; DB 22; Length 2016;
Best Local Similarity 100.0%; Pred. No. 8; 301; Matches 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 721 AAGACCTTGAGCTGTTGCTCACTGGCTGGCTGGCTGGCTGGCTGGCTA 780
Db 930 AAGACCTTGAGCTGTTGCTCACTGGCTGGCTGGCTGGCTGGCTGGCTA 989
Qy 781 CCGAGAAACCGGTTGAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 840
Db 990 CCGAGAAACCGGTTGAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 1049
Qy 841 AAAGGGGAGATTCACCAAGGAAATCCGACCGAGTGGCTGGCTGGCTGGCTA 900
Db 1050 AAAGGGGAGATTCACCAAGGAAATCCGACCGAGTGGCTGGCTGGCTGGCTA 1109
Qy 901 CCTGGGCTTCACCTGGCCCTGACGGCTGGCTGGCTGGCTGGCTGGCTG 960

CC number of human shear stress response proteins. These are useful in the diagnosis, treatment and screening of vascular diseases caused by arteriosclerosis, including heart failure, post-pvca, restenosis and hypertension.

XX Sequence 2016 BP; 490 A; 525 C; 534 G; 467 T; 0 other;

Db 1110 GCTGATGTTGAGTGTGAGAAATACCGGGCCAAAGTACTGGGGTCTGGCTGGACGCC 1169
Qy 961 CGATGCTGACCCGCCGCGACGGCTGGAGCTGGCTGGCTGGCTGGAGATGG 1020
Db 1170 CGATGCGACCCGCCGCGACGGCTGGAGCTGGCTGGCTGGAGATGG 1229
Qy 1021 GAGCAATTTCAGAACGGCTGGCTGGAGCTGGCTGGAGCTGGCTGGAGCTGGCG 1080
Db 1230 GAGCAATTTCAGAACGGCTGGAGCTGGCTGGAGCTGGCTGGAGCTGGCG 1289
Qy 1081 CTGGCATGAGCAGCCTGGCTGGCTGGAGCTGGCTGGAGCTGGCTGGAGCTGGCG 1140
Db 1290 CATGGCATGAGCAGCCTGGCTGGCTGGAGCTGGCTGGAGCTGGCG 1349
Qy 1141 GACTTA 1146
Db 1350 GACTTA 1355

RESULT 6

ID ABGB1130 standard; cDNA; 2016 BP.

XX ABGB1130:
XX DT 18-SEP-2002 (first entry)
XX DE Human osteoblast differentiation related cDNA SEQ ID NO 37.
XX KW Human; osteoblast; stem cell differentiation; bone tissue deposition;
KW osteoporosis; osteopathic; ss.
XX OS Homo sapiens.
XX PN WO2002050301-AZ.
XX PD 27-JUN-2002.
XX PP 18-DEC-2001; 2001WO-US48276.
XX PR 18-DEC-2000; 2000US-255882P.
XX PR 24-APR-2001; 2001US-285691P.
XX PA (GENE-) GENE LOGIC INC.
PA (PROD-) PROCTER & GAMBLE CO.
XX PI JI, D.; Axelrod DM; COOK JS; Jaiswal N; Einstein R; Houghton A;
PI Mertz L;
XX DR WPI; 2002-55763/59.

XX PT use of genes and their expression profiles associated with osteoblast differentiation for screening modulators bone formation, for diagnosis or treating e.g. osteoporosis, or as markers for the differentiation process

XX PS Claim 1; SEQ ID NO 37; 780p + sequence listing; English.

XX PT invention relates to genes and their expression profiles are used for: invention relates to genes and their expression profiles are used (a) screening modulators of precursor stem cell differentiation into osteoblasts or bone tissue deposition; (b) diagnosing abnormal deposition of bone tissue, abnormal rate of osteoblast formation, osteoporosis, or treatment of the conditions cited in (b), or monitoring the progression of bone tissue deposition; (c) specific conditions include postmenopausal osteoporosis, glucocorticoid osteoporosis or male osteoporosis, osteopenia, osteodystrophy, drug induced abnormalities in bone formation or bone loss, conditions that involve altered bone metabolism, idiopathic juvenile osteoporosis, skeletal disease linked to breast cancer, muscle cutaneous fibrosis, or fibrous dysplasia. The present sequence is that of an osteoblast differentiation cDNA marker of the invention.

PR 02-OCT-2000; 2000015-237278P;
 PR 02-OCT-2000; 2000015-237294P;
 PR 02-OCT-2000; 2000015-237295P;
 PR 03-OCT-2000; 2000015-237118P;
 PR 03-OCT-2000; 2000015-237120P;
 PR 03-OCT-2000; 2000015-237159P;
 PR 03-OCT-2000; 2000015-237604P;
 PR 03-OCT-2000; 2000015-237605P;
 PR 01-NOV-2000; 2000015-240867P;
 PR 01-NOV-2000; 2000015-240841P;
 XX (AVAL-) AVILON PHARM.
 XX
 PT Young PE, Augustus M, Carter KC, Ebner R, Endress G, Horrigan S;
 PT Soper DE, Weaver Z;
 XX DR WPI: 2002-188264/24.

PT Screening for anti-neoplastic agent involves exposing cells to a chemical agent to be tested for anti-neoplastic activity, and determining a change in expression of a gene or a signature gene set - claim 1; SEQ ID 6895; 44pp; English.

CC The present invention describes a method (M1) for screening for an anti-neoplastic agent. The method involves exposing cells to a chemical agent to be tested for anti-neoplastic activity, determining a change in expression of at least one gene (1') of a signature gene set, where (1') is a sequence (S) selected from 447 sequences (given in AB056664 to BE070116), each having 99% identity to (1'), where a change in expression is indicative of anti-neoplastic activity. (1) has cytotoxic activity, and can be used for screening anti-neoplastic agent, and can be used for producing a product which is the active agent with respect to the anti-neoplastic agent as a result of M1, and this data is sufficient to convey the chemical structure and/or properties of the agent. M1 can be used for the treatment of cancer such as colon, breast, stomach, lung, thyroid, ovarian, kidney, prostate or pancreatic cancer, endometrial cancer, infiltrating ductal carcinoma, squamous cell carcinoma, neuroendocrine carcinoma, peritoneal carcinoma, and Wilms' tumour.

XX SQ sequence 2016 BP; 490 A; 525 C; 534 G; 467 T; 0 other;

Query Match 100.0%; Score 1146; DB 24; Length 2016; Best Local Similarity 100.0%; PAM: No 36-301; Length 2016; Matches 1146; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGCCTCGGCTGGCGAGGGCTGCGCTTCTGGCTGGCACCTTCACGTGACCGG 60
 Db 210 ATGGCCTCGGCTGGCGAGGGCTGCGCTTCTGGCTGGCACCTTCACGTGACCGG 269
 QY 61 CTGGCGCTCCACCTCCGCCGCGCTGCGCCGCTGGCTGGCACCTTCACGTGACCGG 120
 Db 270 CTGGCGCTCCACCTCCGCCGCGCTGCGCCGCTGGCTGGCACCTTCACGTGACCGG 329
 QY 121 CCGGGAGCTGGCGTGTGGCGCTGGCTGGCTGGCTGGCACCTTCACGTGACCGG 180
 Db 330 CGGGAGCTGGCGTGTGGCTGGCTGGCACCTTCACGTGACCGG 389
 QY 181 AACGGGACTCGAGAMAGCAGCTGGACACACAGGGCTGGCTGGCACCTTCACGTGACCGG 240
 QY 390 AACGGGACTCGAGAMAGCAGCTGGACACACAGGGCTGGCTGGCACCTTCACGTGACCGG 449
 QY 241 GGGGGAGCTGGCGTGTGGCTGGCTGGCACCTTCACGTGACCGG 300
 Db 450 GGGGGAGCTGGCGTGTGGCTGGCTGGCACCTTCACGTGACCGG 509
 QY 301 GATTTTAACTCGAGTGTACCAACCGGAAGAAGTTTCAGGCCACTGAACTGTAG 360
 Sq 510 GATTTTAACTCGAGTGTACCAACCGGAAGAAGTTTCAGGCCACTGAACTGTAG 569

RESULT 9
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 ID AB03127 standard; CDNA: 2016 BP.
 XX Human Cyr61 protein encoding CDNA SEQ ID No.1.
 XX Human: Cyr61; breast cancer; sex steroid receptor; cytostatic; promoter;
 KW sex steroid response element; cysteine rich heparin binding protein;
 KW cell proliferation; heparin binding epidermal growth factor; gene; ss.
 XX
 KW epidermal growth factor; basic fibroblastic growth factor; gene; ss.
 KW Homo sapiens.

DE Human osteoblast differentiation related cDNA SEQ ID NO 34.
 XX Human; osteoblast; stem cell differentiation; bone tissue deposition;
 KW osteoporosis; osteopathic; ss.
 XX Homo sapiens.
 OS
 PN WO20050101-A2.
 PD 27-JUN-2002.
 PR 1B-DEC-2001; 2001WO-US48276.
 PR 1B-DEC-2001; 2000US-25589P.
 PR 24-APR-2001; 2001US-85699P.
 PA (GENE-) GENE LOGIC INC.
 PA (PROC-) PROCTER & GAMBLE CO.
 XX JI, D.; Axelrod DW; Cook JS; Jaswal N; Einstein R; Houghton A;
 PI Martin L;
 XX PS Claim 1: SEQ ID NO 34: 78PP + Sequence Listing; English.
 DR WPI; 2002-57663/59.
 XX The invention relates to genes and their expression profiles associated with osteoblast
 use of genes and their expression profiles associated with osteoblast
 differentiation or screening modulators of precursor stem cell differentiation into
 osteoblasts, or bone tissue deposition, for diagnosing
 PT differentiation or screening modulators of precursor stem cell differentiation into
 osteoblasts, or bone tissue deposition, as markers for the differentiation
 PT process.
 XX
 CC (c) treatment or monitoring treatment of the conditions cited in (b), or
 CC monitoring the progression of bone tissue deposition.
 CC Specifically conditions include postmenopausal osteoporosis, glucocorticoid
 CC osteoporosis or male osteoporosis, osteopenia, osteodystrophy, bone loss conditions
 CC drug-induced abnormalities in bone formation or bone loss conditions
 CC that involve altered bone metabolism (e.g. idiopathic Juvenile
 CC osteoporosis); skeletal disease linked to breast cancer, mastocytosis,
 CC Fanconi syndrome or fibrous dysplasia. The present sequence is that of an
 CC osteoblast differentiations associated cDNA marker of the invention.
 Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published/pct-sequences.
 XX SQ Sequence 2052 BP; 499 A; 542 C; 543 G; 468 T; 0 other:
 Query Match 99.9%; Score 1144.4; DB 24; Length 2052;
 Best Local Similarity 99.9%; Pred. No. 2.3e-300; Mismatches 1; Indels 0; Gaps 0;
 Matches 115; Conservative 0;
 YY 1 ARGGAGCTCCGCGATGCCGAGCCTTGCTTGTAGGTTTCACTTGACGAGG 60
 YY 224 ARGAGCTCCGCGATGCCGAGCCTTGCTTGTAGGTTTCACTTGACGAGG 283
 YY 61 CTGGCGCTCTCACCTGCCACCACTGCACCTGAGCGCGAAGTCGCG 120
 YY 284 CTGGCGCTCTCACCTGCCACCACTGCACCTGAGCGCGAAGTCGCG 143
 YY 121 CGCGGACTGGCTGGCGCGAGCTTGCTGAGGTTTGCTGGAGCTGG 180
 YY 344 CGCGGACTGGCTGGCGCGAGCTTGCTGAGGTTTGCTGGAGCTGG 403
 YY 181 AACCAAGCTGCGACGAAACGACGCTTGACCCACCCAGCGGCGAAGTC 240
 YY 404 AACCAAGCTGCGACGACGCTTGACCCACCCAGCGGCGAAGTC 463
 YY 241 GGCGCCAGCTCCACCGCTGAGGGATCTCGACGCTGAGGGAGACCTG 300

" "

Db 464 GCGCGACGCTCACCGCTCGAGGGATCTCGAGCGCTGAGGGAGACCTG 523
 Qy 301 GATTAATACCTCGAGCATCTAACAAAGGGAAAGTCCTGGCCAACTTAACTAG 360
 Db 524 GATTAATACCTCGAGCATCTAACAAAGGGAAAGTCCTGGCCAACTTAACTAG 583
 Qy 361 TCCGATGTTGTTGATGAGGCGCTGGTGTGAGCTTCCTGGCCAGAGCTACTCTC 420
 Db 584 TCCGATGTTGTTGATGAGGCGCTGGTGTGAGCTTCCTGGCCAGAGCTACTCTC 643
 Qy 421 CCCAGCTGGCTGTCACACCTCGCTGTCMAASTTGCGCTGCGAGTCCTGGAG 480
 Db 644 CCCAGCTGGCTGTCACACCTCGCTGTCMAASTTGCGCTGCGAGTCCTGGAG 703
 Qy 481 TGGTGCTGAGGAGTACGAGCTGAGGAGTACGAGCCATGAGGAGGAGGCTCTGG 540
 Db 704 TGGTGCTGAGGAGTACGAGCTGAGGAGTACGAGCCATGAGGAGGAGGACCTGGC 763
 Qy 541 AGGAGCTGGTGTGTCACACCTCGCTGTCMAASTTGCGCTGCGAGTCCTGGAG 620
 Db 764 AGGAGCTGGTGTGTCACACCTCGCTGTCMAASTTGCGCTGCGAGTCCTGGAG 823
 Qy 601 GTGTTGAAGGAGCCTGAGCTGAGGAGTACGAGCCATGAGGAGGAGGAGGCTCTGG 560
 Db 824 GTGTTGAAGGAGCCTGAGCTGAGGAGTACGAGGAGTACGAGCCATGAGGAGGACCTGGC 783
 Qy 661 TACACACCTTACAGGCCAGAAGTGTGAGGAGTGTGAGGAGACACTATGTCAGGTC 720
 Db 884 TACACACCTTACAGGCCAGAAGTGTGAGGAGTGTGAGGAGACACTATGTCAGGTC 943
 Qy 721 AACGCTGTGACTGTATCTCAGGAGTACGAGGAGTACGAGCCATGAGGAGGCTCTGG 780
 Db 944 AACGCTGTGACTGTATCTCAGGAGTACGAGGAGTACGAGCCATGAGGAGGCTCTGGC 1003
 Qy 781 GTGAGAACACCGAGATGAGTGTGAGGAGTGTGAGGAGACACTATGTCAGGTC 840
 Db 1004 GGTAGAACACCGAGATGAGTGTGAGGAGTGTGAGGAGACACTATGTCAGGTC 1063
 Qy 841 AAAAGGGAGAACATCGAGGAGAACATTCCCGAACACAGCTGGTGGCGCTT 900
 Db 1064 AAAGGGAGAACATCGAGGAGAACATTCCCGAACACAGCTGGTGGCGCTT 1123
 Qy 901 GCTGAGGTTGACTGTTGAGAAGTACCGCCGAGTACTGCGGGTTCTCGCTGGAGGGC 960
 Db 1124 GCTGAGGTTGACTGTTGAGAAGTACCGCCGAGTACTGCGGGTTCTCGCTGGAGGGC 1183
 Qy 961 CGATGCGACCCCGCTGACCGACGACGAGGAGGAGGAGGCTGGTGG 1020
 Db 1184 CGATGCGACCCCGCTGACCGACGACGAGGAGGAGGCTGGTGG 1243
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 Db 1244 GAGGACATTCCAGAACGCTGAGTACGATCGCTGAGGAGGAGGCTGGTGG 1303
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 Qy 1141 GACGAA 1146
 Db 1364 GACGAA 1369

RESULT 14
 AA194699
 ID AA194699 Standard; cDNA: 1418 BP.
 XX
 AC AA194699;
 XX
 DT 27-MAR-1998 (first entry)
 XX Human cysteine rich protein 61 (Cyr61) cDNA.

Gencore version 5.1.5
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On nucleic - nucleic search, using sw model

Run on: July 10, 2003, 06:16:29 : Search time: 1897 Seconds

(Without alignments)
9783.884 Million cell updates/sec

Title: US-09-901-910-1

Perfect score: 1446

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Scoring table: INDEFINITE_NUC

GapOp 10.0 , GapExt 1.0

Searched: 1615066 seqs, 80974376 residues

Total number of hits satisfying chosen parameters:

32308132

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

SST,*

em.estba,*

em.estchm,*

em.estchn,*

em.estcln,*

em.estdlv,*

em.estcov,*

em.estdlv,*

SUMMARIES

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2	867.8	919.14	BC022203	Mus musculus
3	807.6	705.14	BC089404	AGINCOURT
4	797.6	896.14	BC022696	AGINCOURT
5	769.5	939.14	BC044239	AGINCOURT
6	762.4	665.9	985	AL500072

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1

BC003205

LOCUS BC003205

DEFINITION mns muscle, cysteine rich protein 61, clone IMAGE:3507352, mRNA.

ACCESSION BC003205

VERSION 1.0

SRC:

KEYWORDS

SOURCE:

ORGANISM:

Mammalia: Metazoa:

Chordata: Craniata: Vertebrata: Euteleostomi:

Mammalia: Eutheria: Rodentia: Muridae: Murinae: Mus:

REFERENCE

1. (bases 1 to 2029)

AUTHORS

Sturnberg R.

TITLE

Direct Submission

JOURNAL

Submitted (20-FEB-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,

REMARK

NIH MGC Project URL: http://mgc.nci.nih.gov

Contact: MGCG Help Desk

Email: cgraps@nih.gov

Tissue Procurement: Gilbert Smith, Ph.D.

cDNA Library Preparation: Life Technologies, Inc.

DNA Sequencing by: The I.M.A.G.E. Consortium (ILMN)

Sequencing Center: Baylor College of Medicine Human Genome Center code: BOM-HGSC

Web site: http://www.mgc.bcm.tmc.edu/cdna/

Contact: and@bcm.tmc.edu

BO716204 AGINCOURT

BO64566 AGINCOURT

RG5684156 AGINCOURT

RG5684156 AGINCOURT

AL515010 AL51370

AL5171692 AGINCOURT

BO717886 AGINCOURT

BO717932 AGINCOURT

AL545192 AL541192

AL549014 AGINCOURT

RG5684099 AL545999

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ALIGNMENTS

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		SOURCE		DNA Sequencing by: Agencourt Bioscience Corporation		
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				http://image.llnl.gov		
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Db	660	CGGATTGTTGAGTGGGGGCCTTGACGCACTGTTGACGACGGGAGGAA	719	Mismatches	0	
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AUTHORS		(bases 1 to 66)	DEFINITION	485	TCTTGTGAGGAGTACATCACGAGCACCATGAGGACGAGGAGGAGGAGGAGG	544
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	Mammalia; Eutheria; Primates; Gattarrini; Hominidae; Homo.		DEFINITION	665	ACCTTAACTGGCGCAAGTCTGGCTGGCTGGCTGGCTGGCTGGCTGG	724
	(bases 1 to 66)		DEFINITION	483	ACCTTAACTGGCGCAAGTCTGGCTGGCTGGCTGGCTGGCTGGCTGG	541
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	Unpublished		DEFINITION	545	CUTTGTGAGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	601
	Contact: Robert Strainsberg, Ph.D.		DEFINITION	785	AGAAACCGGATTCGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	844
	Email: rstrainsberg@ribi.gov		DEFINITION	602	AGAAACCGGATTCGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	660
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	1;	Indels				
	1;	Gaps				
features						
source						
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authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. DNA library Arrayed by: The I.M.A.G.E. Consortium (I.M.A.G.E.) Clone distribution: MCC clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: http://image.llnl.gov Plate: LUMI3990 row: 1 column: 20 High quality sequence stop: 582.					
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result 13						
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version	BQ771972.1					
keywords	EST					
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reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
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result 14						
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accession	IMAGE_11094025'					
version	BQ771973.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
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/clone="IMAGE_110963"						
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/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 15						
rq771974	BQ771974	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771974.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
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/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 16						
rq771975	BQ771975	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771975.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
/sex="male"						
/tissue_type="sympathetic_trunk"						
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/lab_host="nmlab"						
/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 17						
rq771976	BQ771976	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771976.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
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result 18						
rq771977	BQ771977	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771977.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
/sex="male"						
/tissue_type="sympathetic_trunk"						
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/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 19						
rq771978	BQ771978	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771978.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
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/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 20						
rq771979	BQ771979	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771979.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
/sex="male"						
/tissue_type="sympathetic_trunk"						
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/lab_host="nmlab"						
/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						
result 21						
rq771980	BQ771980	905 bp	mRNA	linear	EST	16-JUL-2002
definition	Ascomycot. B103841 lupski_5'synthetic_trunk		Homo sapiens	cDNA clone		
accession	IMAGE_11094025'					
version	BQ771980.1					
keywords	EST					
organism	Homo sapiens					
reference	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
authors	NIM-MCC					
title	Unpublished (1999)					
comment	Contact: Robert.Strausberg.Ph.D. Email: chaps_remail.nim.gov					
1.	908					
/organism="Homo sapiens"						
/db_xref="taxon:660"						
/clone="IMAGE_110963"						
/sex="male"						
/tissue_type="sympathetic_trunk"						
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/lab_host="nmlab"						
/note="vector: pMV-SNOR6 (life technologies); Site_1: NotI; Site_2: KpnI; clone made by oligo-dT priming; directly cloned using the following adaptors: 5'-GTCACCACTCGCTGGC-3' and 5'-GCTTGATGTCACGCGCCCG-15'-3'; size selected > 1 kb for average insert length 1.9 kb. This is a primary library, non amplified, library constructed by Life Technologies and donated by J. Lupsik, M.D.,Ph.D. (Baylor College of Medicine), available through LIFE Technologies."						

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